

**Product Performance Data Evaluation Review**

by  
Kevin J. Sweeney, Entomologist, IB

*Kevin J. Sweeney*  
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Date: 7/09/04

Reviewer: Olga Odiott

Product: Delta Granular

EPA File Symbol: 432-824

PM: George LaRocca, PM 13

Dec# 338027

DP 298599

Chemical: deltamethrin 0.1%

Formulation: granular

Sites: outdoor residential areas

Pests: see label for a list of a wide variety of crawling and turf insect pests.

Request: review data submitted to document the lack of phytotoxicity to target lawn and turf sites. There appears to be some concern in the user community with phytotoxicity when this product is used in conjunction with fertilizer applications. These studies were not required to add the listed pests but were submitted as supplementary information to address phytotoxicity concerns.

OPPTS Guidelines 810.3300 and 3500 as they apply.

GLP: No

Submitted Studies

**46165401** Fall Mole Cricket Control on Golf Courses in South Mississippi, 1997 by Joseph Harris, MS State University.

**46165402** Fall Mole Cricket Control on Golf Courses in South Mississippi, 1998 by Joseph Harris, MS State University

**46165403** Surface Application of Granular Insecticides for Control of Mole Cricket Nymphs, 1997 by R.L. Brandenburg, NC State University.

**46165404** Summer Management of Hairy Chinch Bug with Deltaguard, Dursban, Scimitar, Talstar, and Tempo Formulations on Established Fescue Turf Grass in Somerset, Pennsylvania, 1998 by P.R. Hellner and R. Walker Pennsylvania State University.

**46165405** Reduction of Second Generation Chinch Bugs on Buffalograss using Pyrethroids and Experimental Insecticides, 1998 by T.M Henrig-Moss and F.P. Baxendale.

In summary, these trials evaluated the efficacy of the subject product, related formulations, and products with different active ingredients against the target pests. The success of the subject granular product varied in each trial. The application rate consistent with the label, about 100 lbs./acre, equivalent to 0.1lbs deltamethrin/acre.

Phytotoxicity was not observed in any of these field trials. The label instructs the applicator to "water-in" the granules following application. No mention is made of fertilizer applications on the label. Perhaps Bayer ES should place the "water-in" statement in a more prominent location and recommend that if applying at the same time or within a few days of a fertilizer application, the applicator should apply water to the area as soon as possible.